

# CM DUAL DRIVE™ CRACKERMILL

High Volume Fine Grind System



The CM Dual Drive™ Crackermill sets the standard in high production fine grind systems.

Advanced Dual Drive™ rolls process clean rubber that is 1/4"-5/16" [6-8mm] into 10-80 mesh [2000-177 microns].

The Dual Drive™ Crackermill produces more fine rubber for the tire recycling industry than all other competitive systems combined. The unique cutting action is produced by two large counter-rotating rolls that crack and mill the rubber to a specific size. Each roll is independently driven and operates at different speeds. Variable frequency drive controls (VFD) allow the speed of each roll to vary. This differential in speed between the rolls is referred to as the "Friction Ratio". The mills ability to vary its friction ratio optimizes its performance.

All systems are operated by a PLC control system with feedback capabilities, this provides constant system monitoring and enhanced performance.

## 10-20 MESH



## 30 MESH

## FEATURES & BENEFITS

- Twin independent drives for optimal friction ratios
- Variable speed vector drives
- Heavy duty oil bath gear reducers
- Hardened cast iron rolls
- Rolls can be re-sharpened up to 3 times
- Heavy duty extended life bronze bearings
- Optional water cooled bearing housings
- Water cooled rolls
- Fully integrated PLC controls that control bearing lubrication, system temperature, and chilled water system

## PRODUCTION RATES

**BASED ON INPUT MATERIAL  
OF CLEAN 1/4" – 5/16"**

**10-20 MESH:  
6,000 POUNDS PER HOUR.**

**20-30 MESH:  
3,000 POUNDS PER HOUR.**

**30 MINUS:  
2,000 POUNDS PER HOUR.**

**BASED ON A INPUT MATERIAL  
OF CLEAN [6 – 8 MM]**

**2-84MM:  
2,700 KILOGRAMS PER HOUR**

**.84- .59MM:  
1,350 KILOGRAMS PER HOUR**

**.59MM MINUS:  
900 KILOGRAMS PER HOUR**



# CM DUAL DRIVE™ CRACKERMILL ROLLS

Independently driven cast iron rolls



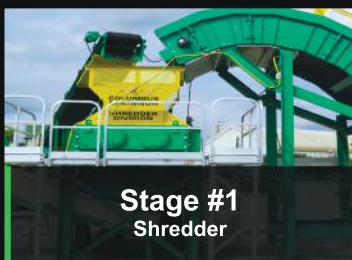
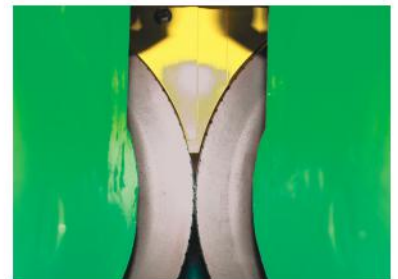
CM Dual Drive™ Crackermill rolls are hardened to a depth that allows them to be reground and re-grooved up 3 times.

Typically the machines can be operated for up to 6 months before requiring the rolls to be reground.

60 million lbs. of rubber can be produced throughout the life of the rolls.

The CM Dual Drive™ Crackermills' unique design allows for the best overall up time and produces more tonnage between maintenance cycles than any competitive system on the market. Unlike high speed grinders, the machine operates at a maximum speed of 70 RPM, which reduces heat and eliminates the need for expensive and restrictive sound enclosures.

The rolls are easily accessible, and other maintenance issues associated with high speed machines are eliminated. CM can design a turnkey milling, screening, and cleaning system specifically tailored to your requirements.



**Stage #1**  
Shredder



**Stage #2**  
Liberator w/Steel Reclaim



**Stage #3**  
Granulator w/Fiber Removal



**Stage #4**  
Crackermill w/Screening & Cleaning

## CUSTOMER SERVICE IS SECOND TO NONE – WITH IN STOCK GUARANTEE

- We stock a complete line of replacement parts for all CM equipment with shipping on standard parts within 24 hours.
- Field Service Technicians support if your equipment needs maintenance or repairs & can generally be on site within 24 hours.



RECYCLING EQUIPMENT SOLUTIONS  
FOR PROFIT AND PLANET



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